



500 IDS CE.  
80 SOUTH EIGHTH STREET  
MINNEAPOLIS, MN 55402-3796  
612 632-3000  
Fax: 612 632-4444

10/534625  
JC14 Rec'd PCT/PTO 11 MAY 2005

SUITE 600  
ST. CLOUD, MN 56301  
320 252-4414  
Fax: 320 252-4482

*Reply to Minneapolis*  
**Malcolm D. Reid**  
612 632-3304  
malcolm.reid@gpmlaw.com

May 11, 2005

**VIA EXPRESS MAIL (LABEL #ED696272494US)**

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Inventor: Wulfman, David R. *et al.*  
U.S. Application No.: unknown  
International Application No: PCT/US03/36146  
International Filing Date: 13 November, 2003  
Title: WAVEGUIDE SYSTEM FOR DETECTION OF FLUORESCENTLY LABELED  
NUCLEIC ACID SEQUENCES  
Attorney Docket No.: 96196

**TRANSMITTAL LETTER**

Dear Sir:

Enclosed for filing with the United States Patent and Trademark Office, please find:

1. Transmittal Letter, including mailing by Express Mail under 37 C.F.R. 1.10;
2. Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) – Concerning a Filing Under 35 U.S.C. 371 (Form PTO-1390 – 3 Sheets); and,
3. Postage Paid Postcard Itemizing Above Documents.

Please charge Deposit Account 500937 \$4,350.00 for all filing fees and any other additional fees required at this time. Please also note that the required Declaration of Inventorship (for the purposes of the designation of the United States of America) (Rules 4.17(iv) and 51bis.1(a)(iv) and Section 214) has been acknowledged as received as of 29 March, 2004. Therefore, no additional Declaration of Inventorship is being included at this time.

If you have any questions, please contact me.

Very truly yours,

Malcolm D. Reid  
Registration No. 27,065  
Attorney of Record

10/534625

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Commissioner for Patents  
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May 11, 2005

Certificate of Mailing by Express Mail under 37 C.F.R. 1.10

Express Mail label number: **ED696272494US**. Date of Deposit: May 11, 2005. I hereby certify that the following identified correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450: Transmittal Letter, including mailing by Express Mail under 37 C.F.R. 1.10 (2 Sheets); Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) – Concerning a Filing Under 35 U.S.C. 371 (Form PTO-1390 – 3 Sheets); and, Postage Paid Postcard Itemizing Above Documents.

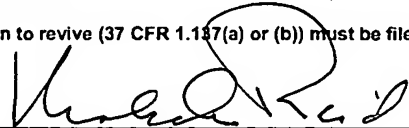
  
Judy Sigal

GP:1711587 v1

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER <b>96196-DIV-001</b>
INTERNATIONAL APPLICATION NO. <b>PCT/US03/36146</b>		U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/534625</b>
INTERNATIONAL FILING DATE <b>11/13/2003</b>		PRIORITY DATE CLAIMED <b>11/13/2002</b>
TITLE OF INVENTION <b>WAVEGUIDE SYSTEM FOR DETECTION OF FLUORESCENTLY LABELED NUCLEIC ACID SEQUENCES</b>		
APPLICANT(S) FOR DO/EO/US <b>Wulfman, David R. and Baas, Tracey L.</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.		
2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.		
3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.		
4. <input checked="" type="checkbox"/> The US has been elected (Article 31).		
5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ul>		
6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ul>		
7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ul>		
8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).		
9. <input type="checkbox"/> An oath or declaration of the Inventor(s) (35 U.S.C. 371(c)(4)).		
10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).		
<b>Items 11 to 20 below concern document(s) or information included:</b>		
11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.		
12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.		
13. <input type="checkbox"/> A preliminary amendment.		
14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.		
15. <input type="checkbox"/> A substitute specification.		
16. <input type="checkbox"/> A power of attorney and/or change of address letter.		
17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.		
18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).		
19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		
20. <input type="checkbox"/> Other items or information:		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/534625</b>		INTERNATIONAL APPLICATION NO. <b>PCT/US03/36146</b>		ATTORNEY'S DOCKET NUMBER <b>96196</b>	
The following fees have been submitted				<b>CALCULATIONS</b>	<b>PTO USE ONLY</b>
21. <input checked="" type="checkbox"/> Basic national fee.....		\$300		\$ 300.00	
22. <input checked="" type="checkbox"/> Examination fee If international preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4).....		\$100		\$ 100.00	
All other situations.....		\$200			
23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....		\$100			
International Search Report prepared and provided to the Office.....		\$400		\$ 100.00	
All other situations.....		\$500			
<b>TOTAL OF 21, 22 and 23 =</b>				\$ 500.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50 =		x \$250	\$	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	140 - 20 =	120	x \$ 50	\$ 6,000.00	
Independent claims	14 - 3 =	11	x \$200	\$ 2,200.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$ 8,700.00	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.					
<b>SUBTOTAL =</b>				\$ 4,350.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(I)).				\$	
<b>TOTAL NATIONAL FEE =</b>				\$ 4,350.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$	
<b>TOTAL FEES ENCLOSED =</b>				\$ 4,350.00	
				Amount to be refunded:	\$
				Amount to be charged:	\$
<p>a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.</p> <p>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>50-0937</u> in the amount of \$ <u>4,350.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>50-0937</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>					
<p><b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.127(a) or (b)) must be filed and granted to restore the International Application to pending status.</p>					
<p>SEND ALL CORRESPONDENCE TO:</p> <p><u>Customer Number 28020</u></p> <p>Gray, Plant, Mooty, Mooty &amp; Bennett, PA P.O. Box 2906 Minneapolis, MN 55402-0906</p>					
			<p> SIGNATURE</p> <p>Malcolm D. Reid NAME</p> <p>27,065 REGISTRATION NUMBER</p>		